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HYDROLOGICAL MEMORANDA NO. 20

RAINFALL OVER THE AREAS OF THE EAST SUFFOLK AND NORFOLK AND THE ESSEX RIVER BOARDS 1916-1950

1. Rainfall, 1916-1950:

1.1. Introduction. The estimation of standard-period averages for the months or for the year, is carried out in three stages; the selection of sound, homogeneous records complete for the 35 years, 1916-1950, which provide arithmetic means of monthly and annual rainfall, the basic values for all other work; the estimation of standard-period, annual averages for short-period stations; the estimation of standard-period, monthly averages for stations in the second group, where these are needed for special purposes.

A detailed account of the methods developed and used in the Meteorological Office (M.O.3.) to estimate standard-period averages for short-period records, is given in Hydrological Memoranda No. 5.

It is possible to process the data in a number of ways but the maps and tables are presented here in the simplest, most precise forms in order to be of use to a wide range of enquirers.

1.2. The Primary Survey, for Great Britain and Northern Ireland, of stations with complete records during 1916-1950, included some cases where the site had been changed to one with a better exposure and observations from both sites had been recorded for a few years. Attempts were made to amend the earlier readings by comparison of the data during a period of overlap, in order to have a set of values from 1916, to the date of the change, which would be representative of the later, and better, record. But since the earlier exposures were usually unsatisfactory (being over-exposed or over-sheltered), the results were mostly erratic and the amended sets of values were not homogeneous. In a few cases, small breaks in a long record were completed by using estimated values, based on nearby stations, with or without the use of a modifying factor.

Of the many records examined, monthly and annual averages were accepted for 24 stations, 11 for East Suffolk and Norfolk, 13 for Essex. The accepted values (in inches), together with the proportion (per cent) of each monthly average to the annual average, are given in Table I together with the altitude and the National Grid reference for each station. Most of these averages were included in H.M.S.O. publication M.O.635, "Averages of Rainfall for Great Britain and Northern Ireland, 1916-1950", some were omitted because other stations were so near.

The percentage proportion of monthly averages to the annual averages for the long-period stations were used to draw a series of twelve monthly maps from which it is possible to estimate the percentage of average annual rainfall, for any place, for each month of the year. These maps are shown as Figure 1. Values estimated for a few points between the isopercental lines have been added to give a clearer indication of the variations from place to place. The points chosen are not necessarily the same for each map.

1.3. The Secondary Survey of short-period stations was undertaken next, using records up to the time of the survey, usually into the late 1950's. Long-period stations, whose averages had been rejected from the Primary Survey because the record was not homogeneous, were examined again and averages were estimated for the later (and usually improved) part of the series of observations. Averages based on data for less than 5 years were not usually accepted for publication. A list of the accepted averages, for the short-period stations, is given in Table II together with the altitude

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MANCHESTER WEATHER CENTRE

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and National Grid reference for each. The stations are listed in an order based on natural drainage areas which will be used for the first time in British Rainfall, 1961.

These averages, together with the long-period averages listed in Table I, were plotted on Ordnance Survey Maps (scale 4 miles to the inch), and used to draw the lines of average annual rainfall, 1916-1950. The map is shown as Figure 2. The Secondary Survey is frequently revised for special areas using the most up-to-date observations for relatively new stations and the map is subject to revision from time to time. The redrawing of the isohyets usually results in greater detail and perhaps a clearer definition of a wet area as more and more observations become available from improved River Board networks of rain-gauges. Drastic changes are not expected. In Tables I, II and III, with a few exceptions, the average quoted are for records still being maintained in 1963.

1.4. Monthly Averages for a further group of stations were next estimated for use in the Monthly Weather Report and for enquiries. For this purpose some stations were chosen from those listed in Table II to supplement those listed in Table I. To find the monthly averages, the monthly proportion (per cent of annual average) were chosen from the equipercental maps (see Fig. 1) so that the total for the twelve months was 100. These monthly percentages were then used to apportion the annual average (in inches) amongst the months. The results are given in Table III.

1.5. Daily Rainfall, 1916-1950. Three of the initial 24 records which were accepted for the Primary Survey (1.2.) were analysed further. These records had regular daily entries, for the 24-hour period 0900 to 0900, for each of the 35 years, 1916-1950. Table IVa gives for each of the stations the 35-year totals for each day of the year (in inches). Table IVb gives 1/35 of all possible totals from .17 to 24.67 in., thus providing a reduction table for the values in IVa to give average daily falls from "trace" to .70 in. For 29 February the reduction factor is, or course 1/9. We have added Thetford and Cheshunt to the west to give a more representative network.

These daily averages can be re-grouped as 5-day means, 7-day means, consecutive or sliding means or in whatever form suits a specific requirement.

2. Frequencies of Daily Rainfall, 1916-1950. The same set of daily values used for Table IVa were re-grouped to give frequency tables with intervals of .01 inch. These have been re-arranged in Table V, to give accumulated frequencies with intervals of .10 in. up to 2.50 in. and a wider grouping above this.

3. Extremes of Rainfall. The records for the 35-year period, 1916-1950, for the stations used in Tables IV and V were also used to find maximum and minimum values for the year and for each month and also maximum daily values for each month. These maxima and minima are given in Table VI and Table VII. Additional extremes are given in these tables to cover the 50-year period, 1911-1960.

Appendix I

Intense Falls. Falls of 2 hours or less, which have been recorded in British Rainfall and rank as "noteworthy", "remarkable" or "very rare", are listed in Appendix I.

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TABLE I. Monthly and Annual Averages of Rainfall (in inches), 1916-1950
East Suffolk and Norfolk and Essex River Board Areas

County	Station	Alt. ft.	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	
				East Suffolk and Norfolk River Board													
Norfolk	Northrepps Hall	200	TG(63)232399	2.44	1.83	1.57	1.85	1.84	1.60	2.63	2.17	2.37	2.73	2.93	2.55	26.51	Inch
				9.2	6.9	5.9	7.0	7.0	6.0	9.9	8.2	8.9	10.3	11.1	9.6	100.0	%
"	Cawston	152	TG(63)134238	2.54	1.91	1.65	1.98	1.90	1.77	2.62	2.11	2.46	2.71	2.98	2.58	27.21	Inch
				9.3	7.0	6.1	7.3	7.0	6.5	9.6	7.8	9.0	10.0	10.9	9.5	100.0	%
"	Norwich Cemetary	93	TG(63)212086	2.38	1.82	1.54	1.87	1.71	1.72	2.59	2.09	2.32	2.50	2.68	2.36	25.58	Inch
				9.3	7.1	6.0	7.3	6.7	6.7	10.1	8.2	9.1	9.8	10.5	9.2	100.0	%
"	Ravenningham Hall	75	TM(62)399966	2.36	1.64	1.41	1.80	1.77	1.79	2.46	2.19	2.24	2.50	2.83	2.37	25.36	Inch
				9.3	6.5	5.6	7.1	7.0	7.1	9.7	8.6	8.8	9.8	11.2	9.3	100.0	%
Suffolk	Herringfleet House	55	TM(62)463986	2.37	1.79	1.55	1.85	1.69	1.72	2.51	2.14	2.33	2.49	2.88	2.41	25.73	Inch
				9.2	7.0	6.0	7.2	6.6	6.7	9.7	8.3	9.0	9.7	11.2	9.4	100.0	%
"	Lound P. Station	33	TG(63)501008	2.14	1.61	1.34	1.71	1.56	1.66	2.37	2.01	2.27	2.43	2.75	2.18	24.03	Inch
				8.9	6.7	5.6	7.1	6.5	6.9	9.9	8.4	9.4	10.1	11.4	9.1	100.0	%
Norfolk	Sprowston	90	TG(63)251123	2.32	1.72	1.54	1.80	1.78	1.74	2.58	2.11	2.30	2.55	2.67	2.28	25.39	Inch
				9.1	6.8	6.1	7.1	7.0	6.8	10.2	8.3	9.1	10.0	10.5	9.0	100.0	%
"	Gorleston	5	TG(63)534037	2.21	1.60	1.35	1.67	1.51	1.67	2.30	2.01	2.23	2.43	2.74	2.16	23.88	Inch
				9.3	6.7	5.7	7.0	6.3	7.0	9.6	8.4	9.3	10.2	11.5	9.0	100.0	%
Suffolk	Lowestoft	82	TM(62)543947	2.22	1.54	1.32	1.67	1.49	1.60	2.31	2.14	2.09	2.32	2.72	2.19	23.61	Inch
				9.4	6.5	5.6	7.1	6.3	6.8	9.8	9.1	8.8	9.8	11.5	9.3	100.0	%
"	Campsea Ashe	95	TM(62)339553	2.15	1.57	1.45	1.83	1.65	1.52	2.14	2.07	2.13	2.42	2.65	2.26	23.84	Inch
				9.0	6.6	6.1	7.7	6.9	6.4	9.0	8.7	8.9	10.1	11.1	9.5	100.0	%

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TABLE I. Monthly and Annual Averages of Rainfall (in inches), 1916-1950
East Suffolk and Norfolk and Essex River Board Areas (continued).

County	Station	Alt. Ft.	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	
				East Suffolk and Norfolk River Board (contd)													
Suffolk	Charsfield	150	TM(62)244567	2.29	1.62	1.52	1.86	1.68	1.64	2.32	2.30	2.14	2.38	2.57	2.26	24.58	Inch
				9.3	6.6	6.2	7.6	6.8	6.7	9.4	9.4	8.7	9.7	10.4	9.2	100.0	%
				Essex River Board													
Essex	Mistley	30	TM(62)108318	2.13	1.51	1.34	1.67	1.49	1.44	1.94	1.94	1.81	2.28	2.41	2.11	22.07	Inch
				9.7	6.8	6.1	7.6	6.7	6.5	8.8	8.8	8.2	10.3	10.9	9.6	100.0	%
"	Clacton-on-Sea	68	TM(62)172143	2.03	1.44	1.30	1.64	1.49	1.35	2.10	1.69	1.88	2.24	2.39	2.00	21.55	Inch
				9.4	6.7	6.0	7.6	6.9	6.3	9.8	7.8	8.7	10.4	11.1	9.3	100.0	%
"	Great Yeldham	165	TL(52)760384	2.17	1.52	1.43	1.82	1.72	1.52	2.48	2.01	1.96	2.38	2.34	2.05	23.40	Inch
				9.3	6.5	6.1	7.8	7.3	6.5	10.6	8.6	8.4	10.2	10.0	8.7	100.0	%
"	Great Bardfield	250	TL(52)674304	2.20	1.56	1.50	1.88	1.71	1.57	2.44	2.01	2.00	2.29	2.36	2.05	23.57	Inch
				9.3	6.6	6.4	8.0	7.3	6.7	10.3	8.5	8.5	9.7	10.0	8.7	100.0	%
"	Faulkbourne Hall	80	TL(52)803164	2.09	1.51	1.41	1.87	1.67	1.50	2.13	1.96	1.78	2.31	2.38	2.00	22.61	Inch
				9.2	6.7	6.2	8.3	7.4	6.6	9.4	8.7	7.9	10.2	10.5	8.9	100.0	%
"	Felsted School	240	TL(52)676205	2.24	1.56	1.47	1.86	1.63	1.63	2.39	2.06	1.98	2.29	2.42	2.04	23.57	Inch
				9.5	6.6	6.2	7.9	6.9	6.9	10.2	8.7	8.4	9.7	10.3	8.7	100.0	%
"	Shoeburyness	11	TQ(51)948857	1.83	1.31	1.26	1.59	1.53	1.16	1.98	1.88	1.62	2.10	2.25	1.78	20.29	Inch
				9.0	6.5	6.2	7.8	7.5	5.7	9.8	9.3	8.0	10.3	11.1	8.8	100.0	%
"	Southend W. Works	123	TQ(51)874853	1.87	1.39	1.32	1.64	1.56	1.31	2.02	1.95	1.60	2.23	2.37	1.89	21.15	Inch
				8.8	6.6	6.2	7.8	7.4	6.2	9.6	9.2	7.6	10.5	11.2	8.9	100.0	%
"	Vange P. Station	43	TQ(51)709860	1.81	1.35	1.28	1.75	1.50	1.39	2.03	1.96	1.66	2.06	2.25	1.87	20.91	Inch
				8.7	6.5	6.1	8.4	7.2	6.6	9.7	9.4	7.9	9.8	10.8	8.9	100.0	%

TABLE I. Monthly and Annual Averages of Rainfall (in inches), 1916-1950
East Suffolk and Norfolk and Essex River Board Areas (continued)

County	Station	Alt. ft.	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	
								Essex River Board (continued)									
Essex	Hornchurch, Langton Garden	44	TQ(51)537875	1.94	1.38	1.38	1.75	1.61	1.50	2.35	2.06	1.77	2.10	2.25	1.89	21.98	Inch
				8.8	6.3	6.3	8.0	7.3	6.8	10.7	9.4	8.0	9.6	10.2	8.6	100.0	%
"	High Beech Res.	376	TQ(51)410980	2.55	1.81	1.64	2.05	1.85	1.79	2.59	2.41	2.20	2.56	2.76	2.31	26.52	Inch
				9.6	6.8	6.2	7.7	7.0	6.7	9.8	9.1	8.3	9.7	10.4	8.7	100.0	%
"	East Ham Well	17	TQ(51)438842	1.88	1.45	1.43	1.73	1.78	1.56	2.22	2.23	1.74	2.04	2.26	1.84	22.16	Inch
				8.5	6.5	6.5	7.8	8.0	7.0	10.0	10.1	7.9	9.2	10.2	8.3	100.0	%
"	Barking Outfall	24	TQ(51)452822	1.84	1.42	1.37	1.69	1.75	1.52	2.28	2.14	1.74	2.02	2.25	1.87	21.89	Inch
				8.4	6.5	6.3	7.7	8.0	6.9	10.4	9.8	8.0	9.2	10.3	8.5	100.0	%
Stations outside the area																	
Norfolk	Thetford, Waterworks	165	TL(52)864846	2.19	1.61	1.43	1.90	1.80	1.70	2.62	2.38	2.23	2.21	2.44	2.06	24.57	Inch
				8.9	6.6	5.8	7.7	7.3	6.9	10.7	9.7	9.1	9.0	9.9	8.4	100.0	%
Hertfordshire	Cheshunt, Darnicle Hill P. Station	250	TL(52)311048	2.60	1.81	1.65	2.06	1.94	1.72	2.43	2.22	2.28	2.62	2.79	2.42	26.54	Inch
				9.8	6.8	6.2	7.8	7.3	6.5	9.1	8.4	8.6	9.9	10.5	9.1	100.0	%

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TABLE II. Estimated Annual Averages of Rainfall (in inches), 1916-1950 for short-period stations. (East Suffolk and Norfolk and Essex River Board Areas).

County	Station	Annual Average in.	Alt. ft.	N.G.R.
	East Suffolk and Norfolk River Board			
Norfolk	Holme House	22.16	10	TF(53)701435
"	Burnham Market	24.35	50	TF(53)833422
"	Wells S. Works	23.45	8	TF(53)912440
"	Fulmodestone	27.27	214	TF(53)994306
"	Cockthorpe	23.37	120	TF(53)983422
"	Brinton Grange	26.67	140	TG(63)037354
"	Wiveton, Graven Corner	26.08	25	TG(63)042426
"	Sheringham, Pine Grove	26.36	70	TG(63)165425
"	Cromer	24.49	178	TG(63)208422
"	Hardingham Hall	27.77	100	TG(63)047037
"	Brawick Hall	26.64	140	TG(63)130015
"	Marling Ford Hall	26.33	83	TG(63)127081
"	Colhirk Hall	28.19	210	TF(53)925266
"	Great Fransham	28.33	230	TF(53)897133
"	East Dereham, Lab.	26.27	200	TF(53)994132
"	Sparham Hall	25.88	100	TG(63)072187
"	Taverham	25.69	100	TG(63)162143
"	Bressingham Hall	25.63	100	TM(62)078806
"	Roydon Hall	25.70	140	TM(62)093806
"	Starston	25.61	120	TM(62)240845
"	Ditchingham	25.69	15	TM(62)340906
Suffolk	Corton	23.87	51	TM(62)542975
"	Fritton Warren	25.22	42	TM(62)463998
Norfolk	Wolterton	28.11	115	TG(63)164318
"	Aylsham Mill House	27.04	50	TG(63)197274
"	Aylsham, Baningham Rd.	27.78	80	TG(63)207284
"	Woodgate House	27.25	100	TG(63)183261
"	Haynford	26.31	50	TG(63)232177
"	Horning P. Station	24.75	9	TG(63)358164
"	Burlingham	24.80	89	TG(63)373101
"	Hickling	25.39	10	TG(63)404237
"	Ormesby St. Michael	25.12	22	TG(63)468152
Suffolk	Lowestoft, St. Margarets Rd.	23.17	86	TM(62)548942
"	Benacre P. Station	22.54	10	TM(62)536845
"	Covehithe	22.94	25	TM(62)522817
"	Upper Abbey	22.63	40	TM(62)453645
"	Alderburgh, Haven Sluice	23.58	5	TM(62)467583
"	Framlingham S. Works	25.38	70	TM(62)283622
"	Blaxhall	25.46	70	TM(62)366565
"	Sudbourne Park	24.25	27	TM(62)407511
"	Butley Abbey Farm	23.61	27	TM(62)375491
"	Melton, Greylands	24.64	40	TM(62)285507
"	Woodbridge, Warren Hill Rd	24.24	105	TM(62)264487
"	Grundisburgh	24.28	50	TM(62)230502
"	Little Bealings	23.41	50	TM(62)222467
"	Martlesham	23.98	110	TM(62)246473
"	Ipswich, Daleacre	24.60	140	TM(62)194456
"	Felixstowe	20.90	10	TM(62)286328
"	Old Newton	24.34	204	TM(62)051630
"	Cousins Hill	25.84	180	TM(62)117555
"	Westerfield P. Station	24.05	120	TM(62)165482
"	Whitton P. Station	24.97	80	TM(62)153483
"	Ipswich, Park Road Res.	24.37	186	TM(62)163457
"	Belstead Hall	23.52	125	TM(62)126411

TABLE II. Estimated Annual Averages of Rainfall (in inches), 1916-1950 for short-period stations. (East Suffolk and Norfolk and Essex River Board Areas). (continued)

County	Station	Annual Average in.	Alt. ft.	N.G.R.
	Essex River Board			
Suffolk	Little Wratting	23.40	296	TL(52)700475
"	Haverhill W. Works	24.67	280	TL(52)659452
"	Boxted Hall	23.88	160	TL(52)828506
"	Long Melford, Westgate House	23.56	141	TL(52)862466
Essex	Belchamp Hall	22.86	160	TL(52)826407
Suffolk	Sudbury W. Works	23.16	130	TL(52)872422
"	Bures, Dunstead House	22.22	110	TL(52)899361
Essex	Boxted Lodge	23.64	160	TL(52)998321
"	Boxted	23.76	154	TM(62)004325
Suffolk	Edwardstone	24.49	185	TL(52)944422
"	Cookfield	24.23	270	TL(52)899556
"	Holbecks	24.49	150	TM(62)020417
"	Ackworth House	23.09	149	TM(62)065349
"	East Bergholt	23.61	16	TM(62)077333
Essex	Dedham	24.12	115	TM(62)073317
"	Lawford Place	22.93	113	TM(62)093312
"	Clay Hall	21.76	30	TM(62)181160
"	Little Holland	21.87	14	TM(62)216172
"	Clacton-on-sea, Kings Rd.	21.37	25	TM(62)166141
"	Ardleigh	22.16	120	TM(62)061281
"	Halstead, Attwoods	24.51	225	TL(52)802298
"	Earls Colne	23.94	168	TL(52)858288
"	Colchester W. Works	22.83	38	TL(52)991254
"	Colchester, Castle Park	22.59	87	TL(52)999255
"	Colchester, Hythe	22.23	15	TM(62)014243
"	Layer de la Haye	21.59	145	TL(52)965196
"	Great Totham	23.05	190	TL(52)853121
"	Braintree, Coggeshall Rd.	24.17	222	TL(52)772235
"	Harboro Hall	22.80	180	TL(52)900186
"	Tiptree W. Works	22.53	239	TL(52)885167
"	Shalford	23.96	262	TL(52)710274
"	Hatfield Peverel	21.42	95	TL(52)808108
"	Wickham Hall	21.42	70	TL(52)830105
"	Langford	21.79	40	TL(52)826095
"	Felsted Sugar Factory	22.38	200	TL(52)664211
"	Writtle	23.09	105	TL(52)677069
"	Writtle Park	24.71	308	TL(52)649038
"	Long Tomps Res.	23.67	225	TL(52)703045
"	Sandford Mill W. Works	21.83	68	TL(52)738060
"	Galleywood	23.65	190	TL(52)712042
"	South Hanningfield Res.	22.92	159	TQ(51)744991
"	Little Leighs	22.83	192	TL(52)719183
"	Whitelands	22.62	130	TL(52)783135
"	Hatfield Peverel, Butlers	21.48	130	TL(52)805101
"	Hatfield Peverel, Rushes Lock	22.15	40	TL(52)795090
"	Maldon	20.65	14	TL(52)863065
"	Bradwell on Sea	22.00	80	TL(52)979054
"	Burnham Farm	21.32	5	TQ(51)962958
"	Burnham Laboratory	20.59	0	TQ(51)947957
"	Rayleigh, Alanbank	23.11	262	TQ(51)800902
"	Potton Island	22.14	5	TQ(51)949903
"	Southend	21.09	90	TQ(51)876852
"	Canvey Island P. Station	21.19	15	TQ(51)786832

TABLE II. Estimated Annual Averages of Rainfall (in inches), 1916-1950 for short-period stations.
(East Suffolk and Norfolk and Essex River Board Areas).
(continued)

County	Station	Annual Average in.	Alt. ft.	N.G.R.
	Essex River Board (continued)			
Essex	Marsh Farm S. Works	20.39	9	TQ(51)654756
"	Tilbury, Beaconsfield Rd.	20.93	6	TQ(51)640766
"	West Horndon S. Works	20.40	23	TQ(51)606867
"	Orsett Hall	22.25	70	TQ(51)651824
"	Grays	20.47	80	TQ(51)620796
"	Rainham, Recreation Ground	22.03	24	TQ(51)540824
"	Havering atte Bower, Fernside	26.36	360	TQ(51)519931
"	Harold Wood	21.93	93	TQ(51)549901
"	Riverside S. Works	21.83	5	TQ(51)516821
"	Romford, Raphael Park	22.55	109	TQ(51)518901
"	Dagenham, Marley School	23.04	10	TQ(51)496839
"	Great Canfield	24.15	270	TL(52)581185
"	Birch Hall	24.44	280	TQ(51)439991
"	Loughton	25.03	305	TQ(51)429979
"	Wanstead, Red Bridge	22.73	25	TQ(51)415882
"	Clayhall Park	24.02	109	TQ(51)425893
"	Manor Park Cemetery	22.72	60	TQ(51)418863
"	Valentine Park	22.68	43	TQ(51)435872
"	Laxford Park	23.64	30	TQ(51)442852
"	Barking P. Station	22.38	5	TQ(51)447830
"	Goodmayes Park	23.02	38	TQ(51)468868

G.18600/CJH/8/63/75.

TABLE III. Monthly and Annual Averages of Rainfall, 1916-1950, for short period stations (in inches)

County	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Norfolk	Cromer	2.46	1.84	1.57	1.87	1.87	1.60	2.64	2.19	2.38	2.75	2.96	2.56	26.69
"	Burlingham	2.26	1.66	1.44	1.76	1.69	1.69	2.50	2.08	2.26	2.45	2.75	2.26	24.80
Suffolk	Felixstowe	1.99	1.40	1.27	1.59	1.40	1.34	1.82	1.84	1.80	2.15	2.32	1.98	20.90
"	Belstead Hall	2.19	1.58	1.46	1.79	1.65	1.55	2.16	2.07	2.00	2.37	2.47	2.23	23.52
Essex	Earl's Colne	2.35	1.58	1.48	1.87	1.67	1.56	2.35	2.06	1.89	2.44	2.51	2.18	23.94
"	Writtle	2.17	1.55	1.43	1.87	1.66	1.48	2.26	2.01	1.87	2.29	2.45	2.05	23.09
"	Southend	1.86	1.39	1.31	1.65	1.56	1.31	2.02	1.94	1.60	2.21	2.36	1.88	21.09

Table IVa. 35-year daily totals of rainfall (in inches) 1916-1950

Sprowston

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	4.42	2.01	1.59	1.83	1.69	2.22	2.12	3.87	3.33	2.03	4.21	2.27
2	3.56	2.03	1.52	2.23	1.54	1.87	2.53	3.77	2.14	1.21	3.96	3.16
3	2.96	3.24	.98	2.63	2.36	2.29	4.70	2.31	2.41	2.39	3.99	1.28
4	2.77	1.68	1.76	3.31	1.14	1.33	2.90	1.63	2.90	2.39	2.33	3.20
5	2.96	3.14	1.97	2.31	2.80	2.72	2.29	3.55	1.59	1.70	2.99	3.20
6	2.37	.97	2.18	1.81	1.53	1.45	2.75	2.79	1.42	1.76	3.62	2.72
7	3.41	2.49	2.55	1.93	2.82	1.72	1.88	1.87	1.93	2.82	3.35	2.05
8	2.16	2.26	1.18	2.30	2.29	1.74	2.88	3.84	.80	2.39	3.08	2.81
9	2.57	1.90	1.76	2.52	1.90	1.28	3.74	3.51	2.34	3.58	2.64	2.41
10	2.97	2.01	2.09	1.70	1.82	2.13	3.24	2.82	2.60	2.04	3.68	2.51
11	2.87	2.33	2.46	1.56	1.67	1.68	1.38	2.58	2.56	3.15	3.98	1.83
12	2.48	2.40	1.92	1.37	1.16	3.32	1.80	2.88	2.82	3.59	1.86	1.07
13	1.71	1.61	1.81	1.96	1.37	4.30	1.83	1.58	3.49	.96	4.16	1.17
14	2.44	1.48	1.66	1.75	2.27	1.31	4.74	2.83	4.13	2.29	2.70	3.15
15	2.28	1.76	1.20	3.39	1.11	1.15	4.20	1.25	3.78	3.15	3.19	1.82
16	1.85	3.09	1.96	2.55	3.06	1.55	3.89	1.38	1.56	1.99	2.86	3.05
17	1.77	2.43	2.33	1.91	2.76	2.32	3.59	2.00	2.51	2.36	2.71	1.74
18	3.42	1.72	.53	2.33	2.38	1.94	2.84	1.76	2.58	1.96	5.77	2.68
19	2.52	1.42	1.70	2.02	1.53	1.34	1.47	1.63	3.12	3.11	3.10	1.60
20	2.25	1.94	1.35	1.78	3.04	2.74	4.15	1.75	2.55	3.31	3.21	1.25
21	1.81	1.92	1.97	1.01	.87	1.81	3.71	2.55	2.15	3.57	2.86	4.53
22	2.41	1.92	1.77	1.08	2.30	1.52	2.59	2.13	2.64	3.73	1.58	2.96
23	2.18	1.98	1.11	1.85	4.25	2.17	2.29	2.31	2.47	4.19	3.02	2.89
24	1.93	2.32	1.03	1.70	2.03	2.58	2.07	3.07	3.81	2.41	2.32	1.90
25	3.65	1.97	2.91	2.51	2.40	2.53	3.29	1.58	2.10	4.08	2.13	2.25
26	2.49	2.30	2.49	2.65	2.35	1.76	3.70	1.72	4.96	4.84	2.77	3.77
27	1.59	2.91	1.73	1.86	1.76	1.60	4.52	1.77	3.07	3.26	3.67	3.30
28	3.14	2.39	1.41	1.11	1.29	2.60	2.54	2.30	1.80	4.49	4.28	3.42
29	2.52	.59	1.82	4.15	1.28	1.69	1.95	3.88	3.84	2.88	2.80	2.93
30	2.50	-	1.04	1.70	2.08	2.16	.91	1.52	2.15	3.10	1.61	4.40
31	3.15	-	1.94	-	.97	-	3.53	1.23	-	2.97	-	2.81

G.18600/CJH/8/63/75.

Table IVa. 35-year daily totals of rainfall (in inches) 1916-1950

Gorleston

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	4.51	1.91	1.44	.89	1.83	2.10	1.26	3.42	2.22	1.50	4.95	2.19
2	3.42	1.71	1.53	2.70	1.21	1.94	.78	3.96	1.76	1.64	3.15	2.77
3	2.46	3.41	.83	2.46	2.12	1.65	3.02	2.43	3.07	2.58	4.06	2.09
4	3.05	2.09	1.72	2.09	.91	1.39	3.66	2.33	2.39	2.98	2.29	2.10
5	2.97	2.09	1.56	2.15	3.06	1.93	1.81	3.04	1.19	1.61	2.69	3.36
6	1.59	1.11	1.64	1.76	1.94	1.84	2.38	1.96	2.52	1.87	4.76	2.45
7	3.31	2.18	1.81	1.67	2.19	1.35	1.56	1.04	1.80	3.10	3.95	1.62
8	2.17	2.77	1.25	1.29	1.57	1.57	2.07	3.32	1.87	1.96	4.13	2.05
9	3.01	2.27	1.28	2.51	2.39	1.39	2.07	4.54	2.41	3.81	3.18	2.17
10	2.49	1.72	1.69	1.51	1.85	1.99	2.54	1.79	2.24	2.46	4.38	2.18
11	2.95	2.14	2.46	1.46	1.37	1.46	1.24	3.30	2.83	2.69	3.88	1.95
12	2.88	1.73	1.98	1.55	1.65	2.43	1.67	1.06	1.96	2.40	2.36	1.17
13	1.75	1.32	1.52	1.79	1.28	3.70	4.58	1.57	4.06	1.25	3.30	1.83
14	2.46	1.07	1.82	1.28	1.57	2.09	3.53	1.96	4.56	1.71	3.07	2.15
15	2.44	1.90	1.07	3.35	.84	1.58	3.90	2.30	2.26	2.83	2.29	1.65
16	1.79	2.93	1.98	1.93	1.12	1.05	2.63	1.86	1.67	1.91	3.35	3.02
17	1.58	1.46	1.97	1.82	2.80	1.54	3.78	1.97	2.01	2.48	2.98	1.89
18	3.19	1.89	.42	2.36	2.21	3.19	1.25	1.87	3.19	2.01	4.67	2.92
19	2.56	1.19	1.59	1.70	1.93	1.91	3.42	2.44	3.22	2.40	3.52	2.04
20	1.86	1.77	.92	2.22	1.19	4.03	4.81	2.19	2.31	3.91	3.61	1.25
21	1.69	1.65	1.13	1.05	.55	2.66	3.08	2.83	2.27	3.90	2.24	3.20
22	2.27	1.74	1.72	.65	2.31	1.13	2.40	2.09	2.21	3.02	1.86	3.41
23	2.24	1.57	1.19	1.26	3.19	1.58	2.22	2.48	2.88	3.94	2.81	2.48
24	2.15	1.94	.93	1.85	1.77	2.38	1.70	3.74	6.43	2.35	2.68	2.22
25	3.09	1.79	2.60	2.75	2.44	1.35	1.89	1.63	1.95	3.46	1.94	2.72
26	2.45	1.48	1.93	2.26	2.25	.95	4.87	1.90	4.12	5.88	2.95	3.14
27	1.46	3.02	1.52	1.57	1.60	1.55	4.76	1.17	2.35	3.33	4.29	2.86
28	2.13	2.63	1.25	1.79	.58	2.00	2.17	1.93	1.50	3.84	3.74	3.04
29	2.54	.36	1.45	3.76	.65	2.80	2.30	2.54	3.89	2.63	2.39	2.22
30	2.05	-	1.12	2.14	1.95	2.18	.96	1.65	1.37	3.70	1.67	4.05
31	2.78	-	1.63	-	.96	-	2.73	.46	-	2.41	-	2.54

G.18600/CJH/8/63/75

Table IVa. 35-year daily totals of rainfall (in inches) 1916-1950

Shoeburyness

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	2.62	2.55	1.25	1.69	3.26	1.82	1.46	4.16	1.31	1.60	4.70	1.86
2	2.28	1.81	1.06	2.26	1.17	1.01	.54	2.78	1.83	1.89	3.02	2.31
3	1.64	2.70	.80	2.95	3.31	1.75	3.80	4.17	2.19	2.21	4.56	2.24
4	1.34	.93	2.04	1.69	1.57	1.26	2.32	2.71	.99	2.04	1.33	1.81
5	1.28	1.60	1.87	2.41	2.84	1.39	1.35	3.08	1.22	1.32	2.77	1.84
6	2.35	1.48	2.01	2.30	1.21	1.22	3.07	1.75	1.14	1.28	3.26	1.71
7	2.33	2.35	1.78	1.16	1.30	1.34	.90	2.38	1.22	2.12	3.54	1.57
8	1.29	1.06	.72	1.84	1.02	1.15	1.65	3.05	.80	2.17	3.12	2.71
9	2.30	1.29	.72	1.18	1.54	1.41	2.40	2.04	1.20	2.69	2.05	1.70
10	2.15	1.07	1.83	1.72	1.19	1.39	2.20	2.28	1.26	.81	2.67	1.76
11	2.83	1.17	2.69	1.59	.85	.92	1.02	1.99	1.54	3.00	3.83	1.54
12	1.54	1.47	1.17	.94	1.94	1.55	1.72	1.61	2.77	2.44	2.33	.97
13	2.03	1.28	1.74	1.44	1.10	1.69	2.23	1.20	2.02	1.72	2.63	1.73
14	1.74	.78	1.64	1.38	1.16	2.31	3.25	1.57	2.20	2.14	2.70	1.80
15	2.32	.96	.90	2.36	2.07	.89	4.82	1.64	2.19	2.15	2.15	1.20
16	1.67	2.44	1.09	2.35	1.63	1.35	2.09	3.38	1.56	2.28	3.31	1.94
17	1.98	2.15	1.97	1.19	1.75	1.01	2.95	1.15	2.91	1.74	2.02	.94
18	3.06	1.64	.56	1.63	1.89	2.20	1.78	1.98	2.55	1.34	3.75	1.86
19	1.99	1.20	1.96	1.83	1.29	1.38	1.52	2.15	2.81	3.51	1.39	1.91
20	2.03	1.23	1.22	2.07	2.23	1.43	2.86	2.56	3.20	4.78	3.19	1.21
21	1.69	1.25	1.07	.92	1.20	.72	2.66	1.48	2.51	3.15	2.14	2.74
22	1.60	1.37	2.01	.38	.94	1.28	1.58	1.59	2.48	3.68	1.33	3.39
23	1.67	1.22	1.25	2.15	3.53	1.63	1.34	1.94	2.62	4.43	2.06	1.63
24	1.92	1.20	.53	1.19	1.00	.77	1.62	2.40	2.28	1.95	1.12	2.40
25	3.09	3.15	2.52	2.86	2.00	.63	2.26	.61	.99	2.82	1.68	2.34
26	1.51	1.98	2.00	1.55	2.87	1.72	4.21	1.46	2.13	3.87	2.19	2.67
27	2.15	2.03	1.18	2.80	1.15	1.15	3.03	1.32	1.66	1.53	2.50	2.67
28	2.89	1.23	1.04	1.52	1.74	2.43	2.87	1.91	1.39	1.71	1.91	2.46
29	2.00	.27	1.04	3.31	1.83	1.19	1.52	3.13	1.95	2.18	2.17	2.34
30	2.33	-	1.33	2.68	1.44	1.18	2.20	1.65	1.71	2.48	1.33	2.88
31	2.54	-	1.40	-	.94	-	2.10	1.01	-	2.05	-	2.17

G.18600/CJH/8/63/75.

TABLE IVa 35-Year Totals of Daily Rainfall, 1916-1950 (in inches)

Thetford

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
1	4.25	2.44	1.16	1.88	2.11	2.08	1.40	3.01	2.82	1.25	4.09	2.85
2	3.22	1.87	1.35	2.63	1.09	2.33	2.03	2.53	2.79	1.41	4.04	3.14
3	2.62	3.57	1.01	3.10	2.42	1.63	6.57	2.82	2.97	2.30	3.14	1.32
4	2.05	1.31	1.49	1.76	1.23	1.75	1.65	3.45	2.52	2.32	2.37	3.14
5	2.29	3.15	1.69	2.36	3.70	2.36	3.45	5.56	3.02	1.53	3.68	2.05
6	2.27	1.50	2.14	1.51	2.05	2.19	4.76	2.57	1.77	1.23	3.13	1.96
7	3.22	2.00	2.19	2.24	2.40	1.71	1.54	2.78	1.27	2.19	3.34	1.77
8	2.05	1.19	.96	1.56	1.34	1.85	2.37	3.36	1.10	2.54	3.08	2.66
9	2.44	1.53	1.40	2.55	1.93	1.73	2.87	2.94	2.24	3.16	2.60	1.77
10	2.85	1.62	1.80	2.05	1.48	2.15	2.77	2.67	1.70	1.65	2.98	1.56
11	2.53	1.88	2.48	1.81	1.71	1.57	1.63	3.18	1.64	2.50	4.02	2.13
12	2.27	2.62	2.24	1.05	1.78	2.56	2.71	1.64	3.07	3.64	2.15	1.12
13	1.94	1.66	1.42	2.38	1.72	3.18	2.78	4.53	2.41	1.14	2.47	1.56
14	2.19	2.34	2.23	1.41	1.37	1.56	3.42	3.49	2.95	2.40	2.04	2.24
15	2.67	1.55	1.61	3.60	1.74	.91	4.41	2.49	1.63	2.10	2.02	.90
16	1.74	2.36	1.69	2.76	2.19	1.09	3.21	1.39	1.92	1.84	3.13	2.21
17	1.27	1.63	1.68	2.62	3.42	2.83	5.89	1.52	2.88	2.97	2.68	1.72
18	2.93	2.21	.70	3.18	1.54	2.39	2.93	3.96	3.48	1.96	4.34	2.78
19	2.20	1.30	1.57	2.35	1.21	2.94	1.79	2.01	3.97	2.83	2.36	1.36
20	1.52	1.38	1.90	1.89	2.91	1.56	3.16	2.44	2.97	2.99	3.00	.79
21	2.15	1.43	1.81	1.35	1.43	1.68	3.81	2.15	2.18	3.09	3.20	3.03
22	2.02	2.14	1.52	1.26	1.64	1.37	2.03	2.52	2.90	3.92	2.04	3.13
23	2.50	2.04	.91	2.20	6.02	2.10	3.05	2.41	2.93	4.30	2.14	2.01
24	1.76	2.27	1.28	1.98	2.30	1.47	1.49	3.01	4.44	2.49	2.36	2.21
25	3.29	2.18	2.84	2.67	1.99	1.32	2.75	2.00	2.29	2.71	2.19	2.81
26	1.68	2.35	1.99	2.58	2.44	1.61	5.19	2.14	4.43	3.17	2.91	3.71
27	2.61	2.52	1.26	3.62	1.29	2.85	3.56	1.76	3.58	2.55	2.50	2.98
28	3.66	1.79	1.32	1.63	1.57	2.54	2.45	2.62	1.46	3.83	3.10	2.89
29	2.92	.42	1.55	2.70	2.05	1.45	1.18	2.39	3.27	2.98	2.63	2.94
30	2.25	–	.99	1.94	2.00	2.61	1.12	1.85	1.59	2.12	1.70	4.11
31	3.39	–	1.76	–	1.05	–	3.54	2.16	–	2.09	–	3.30

Table IVa (contd) 35-year daily totals of Rainfall (in inches), 1916-1950

Cheshunt

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	4.55	4.09	1.55	3.25	2.35	2.01	1.58	3.99	2.75	2.12	4.24	4.18
2	3.87	3.16	1.61	3.65	.97	1.84	1.54	2.52	4.83	1.56	3.51	2.20
3	2.12	3.45	1.37	3.64	3.77	1.11	3.03	2.74	4.06	3.56	4.13	1.65
4	2.60	1.30	2.52	2.12	1.30	2.30	2.05	2.93	2.18	2.76	2.38	3.60
5	1.92	2.97	2.97	2.68	2.15	1.41	2.90	1.39	1.83	1.62	4.48	2.17
6	3.41	1.97	2.37	2.05	3.01	2.21	3.22	2.69	1.76	1.55	4.71	2.87
7	3.30	3.33	2.35	2.05	2.08	2.04	2.07	3.48	1.71	2.69	3.23	2.84
8	1.85	2.10	.75	1.87	1.94	1.76	1.66	2.83	1.39	3.55	3.24	2.71
9	2.53	1.86	.88	1.67	1.72	3.48	3.95	2.52	3.03	2.49	3.03	2.71
10	4.54	1.58	2.07	2.17	2.56	2.33	3.31	1.90	1.26	1.70	2.58	1.91
11	3.29	1.70	1.75	2.33	1.45	1.64	.96	1.88	1.75	3.07	5.47	2.07
12	2.63	3.25	2.07	1.79	2.02	3.14	2.31	2.44	3.34	2.58	2.43	.77
13	2.39	2.11	2.31	2.67	1.24	1.78	2.86	1.71	2.43	2.42	3.71	2.52
14	2.38	1.28	2.08	2.06	1.68	3.44	4.40	2.85	3.09	2.54	3.12	3.38
15	2.85	1.38	2.35	2.55	2.06	1.41	4.10	1.77	1.77	2.78	2.31	1.81
16	2.36	2.65	2.43	3.79	1.76	1.31	1.70	2.22	2.10	3.56	4.89	2.23
17	2.75	1.96	1.37	2.58	1.91	1.55	4.24	3.08	3.23	2.79	2.86	1.57
18	3.81	1.68	.88	1.63	1.72	3.25	2.48	1.87	3.42	2.48	4.18	2.90
19	1.88	1.26	2.15	2.22	1.20	1.98	2.41	1.53	4.06	3.97	2.91	2.11
20	2.53	1.42	1.86	2.92	2.44	2.57	4.41	3.03	4.15	4.77	3.99	.99
21	2.36	2.26	1.90	1.45	2.47	1.24	2.42	2.01	2.35	2.79	2.49	4.19
22	2.58	1.75	1.55	1.23	2.57	1.55	2.57	2.56	3.23	4.44	2.15	3.10
23	2.01	1.95	1.09	2.08	4.27	1.02	3.00	3.51	2.98	5.36	2.86	2.44
24	2.15	2.24	1.78	1.82	1.37	1.49	1.35	2.98	3.72	2.78	2.46	2.40
25	3.07	2.85	2.58	3.09	3.81	2.05	2.54	2.02	1.58	4.05	1.93	2.78
26	2.90	3.21	1.72	2.32	3.96	1.14	4.64	1.69	1.44	3.85	2.28	4.34
27	2.76	2.51	1.82	3.22	2.07	1.97	2.19	2.54	2.67	2.83	3.65	3.62
28	5.19	1.59	1.75	1.64	2.35	3.13	3.37	3.18	1.84	2.03	3.32	4.09
29	3.09	.39	2.38	2.44	2.53	1.12	2.24	4.61	3.67	3.16	2.18	2.91
30	2.87	-	1.33	2.92	1.60	2.41	3.52	2.07	2.27	2.29	3.06	4.35
31	4.41	-	2.16	-	1.46	-	1.96	1.19	-	3.59	-	3.19

G.18553/CJH/7/63/100.

Table IVb Rainfall totals in inches, divided by 35, thus giving 35-year means ranging from 'trace' to .70 in., for use with table IVa.

Totals in inches x	35 yr means $x/35$	Totals in inches x	35 yr means $x/35$
– .17	'trace'	12.43 – 12.77	.36
.18 – .52	.01	12.78 – 13.12	.37
.53 – .87	.02	13.13 – 13.47	.38
.88 – 1.22	.03	13.48 – 13.82	.39
1.23 – 1.57	.04	13.83 – 14.17	.40
1.58 – 1.92	.05	14.18 – 14.52	.41
1.93 – 2.27	.06	14.53 – 14.87	.42
2.28 – 2.62	.07	14.88 – 15.22	.43
2.63 – 2.97	.08	15.23 – 15.57	.44
2.98 – 3.32	.09	15.58 – 15.92	.45
3.33 – 3.67	.10	15.93 – 16.27	.46
3.68 – 4.02	.11	16.28 – 16.62	.47
4.03 – 4.37	.12	16.63 – 16.97	.48
4.38 – 4.72	.13	16.98 – 17.32	.49
4.73 – 5.07	.14	17.33 – 17.67	.50
5.08 – 5.42	.15	17.68 – 18.02	.51
5.43 – 5.77	.16	18.03 – 18.37	.52
5.78 – 6.12	.17	18.38 – 18.72	.53
6.13 – 6.47	.18	18.73 – 19.07	.54
6.48 – 6.82	.19	19.08 – 19.42	.55
6.83 – 7.17	.20	19.43 – 19.77	.56
7.18 – 7.52	.21	19.78 – 20.12	.57
7.53 – 7.87	.22	20.13 – 20.47	.58
7.88 – 8.22	.23	20.48 – 20.82	.59
8.23 – 8.57	.24	20.83 – 21.17	.60
8.58 – 8.92	.25	21.18 – 21.52	.61
8.93 – 9.27	.26	21.53 – 21.87	.62
9.28 – 9.62	.27	21.88 – 22.22	.63
9.63 – 9.97	.28	22.23 – 22.57	.64
9.98 – 10.32	.29	22.58 – 22.92	.65
10.33 – 10.67	.30	22.93 – 23.27	.66
10.68 – 11.02	.31	23.28 – 23.62	.67
11.03 – 11.37	.32	23.63 – 23.97	.68
11.38 – 11.72	.33	23.98 – 24.32	.69
11.73 – 12.07	.34	24.33 – 24.67	.70
12.08 – 12.42	.35		

Table V. Accumulated Frequencies of Daily Rainfall Amounts, (in inches), 1916-1950.

Sprowston

Daily Totals		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	All Months
IV	2.5													
	2.4													
	2.3							1						1
	2.2							1						1
	2.1					1		1						2
	2.0					1		1	1					3
	1.9					1		1	1					3
	1.8					1		2	1					4
	1.7					1		2	1					4
	1.6					1		3	1					5
	1.5				1	1		5	1					8
	1.4	1			1	1		5	2	1				11
	1.3	1			1	1		5	2	2	1	1		14
	1.2	1	1		1	1	1	8	5	3	1	1		23
	1.1	1	2		1	2	1	13	6	3	2	1		32
	1.0	1	2	1	1	3	1	15	8	3	2	4		41
	0.9	3	3	3	2	5	1	17	8	8	6	5	1	62
	0.8	4	3	5	3	6	2	24	12	8	8	8	1	84
	0.7	8	4	6	3	8	5	27	16	12	13	15	3	120
	0.6	11	7	12	3	11	12	37	22	19	17	19	10	180
	0.5	19	16	17	15	18	19	47	30	29	30	33	22	295
	0.4	29	26	26	25	35	38	66	41	51	58	57	35	487
	0.3	67	49	40	52	60	64	88	68	85	102	101	72	848
	0.2	136	93	78	100	102	110	126	120	149	159	156	131	1460
	0.1	279	209	175	225	191	192	227	211	238	274	306	267	2794
IV	0.005	652	524	482	514	428	433	443	465	513	553	648	669	6324
* VI	0.004	433	465	603	536	657	617	642	620	537	532	402	416	6460
Total No. of days		1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days.

G.18600/CJH/8/63/75.

Table V. Accumulated Frequencies of Daily Rainfall Amounts, (in inches), 1916-1950

Gorleston

Daily Totals	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	All Months
IV 2.5													
2.4													
2.3							1						1
2.2							1						1
2.1							2						2
2.0							2						2
1.9							2						2
1.8							2		1				3
1.7							2		3				5
1.6							2	1	3				6
1.5							3	1	3				7
1.4							3	1	3				7
1.3	1			1		1	4	2	5				14
1.2	1			1		2	5	3	5	1			18
1.1	1			1	1	2	5	5	7	2	1		25
1.0	1			1	2	2	5	6	10	5	2		34
0.9	2	1		1	3	2	7	7	12	6	5	1	47
0.8	3	1	1	1	5	4	10	10	13	8	11	1	68
0.7	6	1	4	2	8	6	22	12	17	12	14	3	107
0.6	12	2	8	4	11	10	30	19	23	20	27	6	172
0.5	16	9	12	7	19	21	44	30	29	31	40	14	272
0.4	34	14	26	16	31	39	56	48	45	49	57	28	443
0.3	69	43	37	43	48	59	74	72	69	86	97	63	760
0.2	116	86	69	91	85	95	123	120	122	158	166	133	1364
0.1	260	176	145	196	160	172	216	185	219	256	286	250	2521
IV 0.005	613	494	430	479	375	393	429	402	463	528	599	611	5816
* VI 0.004	472	495	655	571	710	657	656	683	587	557	451	474	6968
Total No. of days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

*Including rainless days.

G.18600/CJH/8/63/75.

Table V. Accumulated Frequencies of Daily Rainfall Amounts, (in inches), 1916-1950

Shoeburyness.

Daily Totals	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	All Months
AV 2.5													
2.4													
2.3													
2.2													
2.1													
2.0													
1.9													
1.8													
1.7													
1.6								1					1
1.5								2					2
1.4								2					2
1.3								2		1			3
1.2							3	3		2			8
1.1					1	1	5	4		2	1		14
1.0	2				3	1	6	5	1	3	3		24
0.9	2	1	1		4	1	10	9	2	5	5	1	41
0.8	2	3	1		6	3	11	15	5	10	8	2	66
0.7	4	6	2	4	8	3	13	21	6	13	12	4	96
0.6	6	7	6	4	13	5	22	26	8	22	17	9	145
0.5	15	10	12	11	21	7	35	35	20	33	33	13	245
0.4	22	14	22	23	32	18	50	43	33	45	51	21	374
0.3	40	29	36	32	43	33	69	59	55	71	76	42	585
0.2	101	67	71	87	72	64	110	96	88	120	131	105	1112
0.1	222	144	134	197	160	129	184	179	172	204	226	210	2161
AV 0.005	552	431	397	456	384	346	395	387	414	469	503	533	5267
* VI 0.004	533	558	688	594	701	704	690	698	636	616	547	552	7517
Total no. of days.	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days.

G.18600/CJH/8/63/75.

Table V. Accumulated Frequencies of Daily Rainfall (in inches), 1916-1950

Thetford

Daily Totals	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	All Months
IV 2.60								1					1
2.50								1					1
2.40								1					1
2.30								2					2
2.20								2					2
2.10								3					3
2.00								3					3
1.90								3					3
1.80							2	3					5
1.70							3	3					6
1.60							3	3					6
1.50							3	3					6
1.40	1						4	3					8
1.30	1				1		5	3	1	1			12
1.20	1			1	1	1	7	3	2	1			17
1.10	1			2	2	1	12	6	3	2	1		30
1.00	2			2	3	1	15	8	3	3	1		38
0.90	3		2	2	5	2	17	11	6	4	3		55
0.80	4		2	2	7	4	23	13	9	7	8	1	80
0.70	7	3	3	2	9	5	27	15	14	10	13	5	113
0.60	9	7	4	6	14	9	36	22	23	14	20	11	175
0.50	12	10	11	9	22	16	48	31	33	21	35	17	265
0.40	27	22	20	25	32	31	60	53	53	44	50	31	448
0.30	63	35	34	49	54	49	86	83	78	76	80	59	746
0.20	130	92	78	124	95	98	133	131	130	139	145	118	1413
0.10	277	196	182	249	204	197	241	233	236	240	266	248	2814
IV 0.005	651	540	477	531	463	444	503	505	519	597	655	631	6516
* VI 0.004	434	449	608	519	622	606	582	580	531	488	395	454	6268
Total No. of days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days.

G.18557/CJH/8/63/75.

Table V (contd) Accumulated Frequencies of Daily Rainfall amounts (in inches) 1916-1950

Cheshunt

Daily Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	All Months
≥ 2.50													
2.40													
2.30													
2.20													
2.10													
2.00													
1.90													
1.80													
1.70													
1.60							1						1
1.50							2						2
1.40							3						3
1.30	1						3		1				5
1.20	1						4	1	3	1			10
1.10	1				1		6	1	4	2	2		17
1.00	1		1	1	1		8	4	6	3	3		28
0.90	2		1	1	2	1	11	8	8	5	7	2	48
0.80	3		2	4	4	3	12	13	12	10	11	4	78
0.70	5	3	7	5	10	7	19	17	17	22	19	6	137
0.60	15	9	11	11	17	13	29	23	21	32	30	16	227
0.50	27	16	16	21	27	23	39	35	32	45	51	26	358
0.40	54	35	27	43	43	31	57	54	59	73	65	52	593
0.30	100	63	51	72	68	56	88	77	87	101	113	88	964
0.20	172	112	96	123	114	106	145	130	134	163	179	156	1630
0.10	303	214	197	250	222	200	238	226	227	258	283	281	2899
≥ 0.005	587	451	428	505	452	402	473	473	460	521	539	568	5859
* ≥ 0.004	498	538	657	545	633	648	612	612	590	564	511	517	6925
Total No. of days.	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days.

G.18553/CJH/7/63/100.

TABLE VI. Maximum and Minimum Monthly and Annual Totals of Rainfall (in inches), 1916-50, with supplementary list covering extremes for the 50-year period, 1911-60.

		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
*Sprowston														
1916-50	Max.	1939	1916	1947	1931	1931	1927	1922	1917	1930	1939	1940	1929	1927
		5.23	4.26	4.85	3.31	4.30	4.73	6.77	4.51	6.57	6.27	5.82	4.83	33.79
	Min.	1933	1921	1929	1938	1919	1940	1921	1947	1941	1947	1920	1932	1921
		0.81	0.38	0.02	0.52	0.59	0.42	0.55	0.14	0.37	0.46	0.77	0.63	14.81
Other Extremes 1911-60	Max.	-	-	-	1951	-	-	-	1912	-	-	-	-	1912
		-	-	-	3.63	-	-	-	12.23	-	-	-	-	37.69
	Min.	-	1959	-	1912	1960	-	1955	-	1959	-	-	-	-
		-	0.23	-	0.35	0.31	-	0.37	-	0.09	-	-	-	-
†Gorleston														
1916-50	Max.	1939	1916	1947	1920	1931	1927	1940	1946	1930	1939	1940	1937	1927
		5.58	3.59	4.20	2.96	3.11	4.55	4.76	4.35	6.41	6.22	5.73	3.86	31.94
	Min.	1933	1921	1929	1942	1940	1932	1921	1937	1929	1947	1948	1932	1921
		0.17	0.26	0.11	0.34	0.14	0.19	0.40	0.28	0.32	0.27	0.69	0.46	14.91
Other Extremes 1911-60	Max.	-	-	-	1951	-	-	1915	1912	-	1960	-	1914	1912
		-	-	-	3.56	-	-	4.85	8.19	-	6.39	-	5.94	33.60
	Min.	-	1959	-	-	-	-	1955	-	1959	-	-	-	-
		-	0.15	-	-	-	-	0.21	-	0.11	-	-	-	-
Shoeburyness														
1916-50	Max.	1937	1937	1947	1926	1924	1937	1918	1946	1918	1939	1940	1937	1937
		3.65	3.28	3.62	3.89	3.12	2.77	4.74	4.59	4.33	6.81	5.44	3.69	29.98
	Min.	1916	1934	1929	1938	1919	1921	1949	1940	1941	1950	1945	1932	1921
		0.75	0.15	0.02	0.20	0.26	0.19	0.20	0.15	0.21	0.26	0.44	0.21	10.51
Other Extremes 1911-60	Max.	-	1951	1914	-	1955	1958	-	-	1960	-	-	1915	1960
		-	4.14	4.23	-	3.98	4.24	-	-	4.38	-	-	4.23	30.40
	Min.	1914	1959	-	1912	-	1913	1911	-	1959	-	1955	-	-
		0.63	0.06	-	0.09	-	0.17	0.12	-	0.16	-	0.30	-	-

* Based on 49 years only (1913 missing and Jan. 1914.)

† Great Yarmouth used from 1911 - 1917

TABLE VI. Maximum and Minimum Monthly and Annual Totals of Rainfall (in inches), 1916-50, with supplementary list covering extremes for the 50-year period, 1911-60

		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Thetford														
1916-50	Max.	1939	1916	1947	1931	1932	1927	1930	1931	1918	1939	1940	1919	1916
		4.83	4.34	4.10	4.06	3.59	4.37	4.46	4.67	6.26	4.66	6.27	4.23	30.63
	Min.	1949	1921	1929	1938	1919	1921	1935	1947	1941	1919	1920	1933	1921
		0.70	0.39	0.10	0.54	0.42	0.25	0.55	0.10	0.47	0.05	0.76	0.55	14.91
Other Extremes 1911-60	Max.	-	-	-	-	-	-	-	1912	-	-	-	1914	1912
		-	-	-	-	-	-	-	9.16	-	-	-	5.67	34.99
	Min.	-	1959	-	1954	1959	-	1955	-	1959	-	1956	-	-
		-	0.25	-	0.27	0.31	-	0.24	-	0.03	-	0.60	-	-
Cheshunt *														
1916-50	Max.	1939	1937	1947	1920	1924	1936	1936	1941	1918	1939	1940	1929	1916
		5.70	4.46	5.68	4.42	4.11	4.60	4.79	5.11	5.36	6.32	6.99	5.87	35.39
	Min.	1950	1934	1931	1938	1919	1925	1921	1940	1949	1947	1945	1926	1921
		1.14	0.14	0.10	0.12	0.29	0.07	0.37	1.01	0.34	0.11	0.32	0.24	15.01
Other Extremes 1914-60	Max.	-	1951	-	-	1955	1958	1915	1956	-	-	-	1914	-
		-	5.09	-	-	4.60	5.28	4.98	5.57	-	-	-	7.29	-
	Min.	1914	1959	-	-	-	-	1955	-	1959	-	-	-	-
		0.88	0.09	-	-	-	-	0.23	-	0.04	-	-	-	-

* Based on 47 years only (1914-1960)

G.18600/CJH/8/63/75.

TABLE VII. Maximum Daily Rainfall (in inches), 1916 - 1950, with additional maxima for the 50-year period 1911-1960

		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Sprowston* 1916-50	Max.	1939	1946	1945	1918	1937	1950	1922	1916	1927	1924	1939	1928
		1.48	1.24	1.00	1.57	2.11	1.20	2.36	2.00	1.41	1.34	1.38	0.97
Other Extremes 1911-60	Max.	-	-	-	-	-	-	-	1912	1912	1955	-	1914
		-	-	-	-	-	-	-	7.20	1.80	1.78	-	1.28
Gorleston† 1916-50	Max.	1939	1946	1945	1918	1916	1933	1934	1945	1927	1924	1939	1928
		1.31	0.97	0.82	1.30	1.16	1.38	2.32	1.61	1.82	1.28	1.17	0.97
Other Extremes 1911-60	Max.	-	-	1914	-	1915	-	-	1912	1912	1955	-	1914
		-	-	0.90	-	1.20	-	-	4.80	2.00	1.74	-	1.61
Shoeburyness 1916-50	Max.	1939	1927	1917	1919	1946	1947	1927	1917	1920	1949	1940	1941
		1.06	0.97	0.93	0.79	1.17	1.12	1.29	1.63	1.03	1.37	1.19	0.98
Other Extremes 1911-60	Max.	1958	-	-	-	-	1958	1914	-	1915	1955	-	1914
		1.14	-	-	-	-	1.48	1.77	-	1.86	2.01	-	1.12
Thetford 1916-50	Max.	1939	1916	1947	1916	1918	1926	1927	1938	1918	1924	1940	1928
		1.46	0.73	0.99	1.26	1.35	1.24	1.89	2.63	1.30	1.37	1.15	0.89
Other Extremes 1911-60	Max.	-	1958	-	-	-	-	1959	1912	-	-	1952	1959
		-	1.80	-	-	-	-	2.18	3.53	-	-	1.62	0.90
Cheshunt x 1916-50	Max.	1939	1919	1916	1919	1938	1947	1946	1916	1921	1939	1950	1919
		1.34	0.78	1.00	1.08	1.17	0.93	1.60	1.26	1.32	1.27	1.19	0.96
Other Extremes 1914-60	Max.	-	1958	-	-	1915	1954	1956	1955	-	1955	-	1914
		-	1.26	-	-	1.54	1.71	1.75	1.32	-	1.98	-	1.24

* Based on 49 years only (1913 and Jan 1914 missing).
† Great Yarmouth used from 1911- 1917.
x Based on 47 years only (1914 - 1960).

G.18600/CJH/8/63/75.

Appendix I

River Board Areas of East Suffolk, Norfolk and Essex.

Intense falls of Rain in 2 hours or less, 1860 - 1960
Extracted from British Rainfall

(Arranged chronologically, in county order).

Key at end.

Year	Class	Station	Riv. Div.	Date	Amt. in.	D'r'n min.	Rate in/hr
Essex							
1872	N	Shoeburyness	3	June 24	1.10	30	2.20
1873	N	Maldon, Cold Norton	4	Aug. 24	1.05	35	1.80
1875	N	Dunmow	4	June 29	1.46	120	.73
1880	N	Maldon, Norton Hall	4	Apr. 15	1.03	30	2.06
1888	N	Upminster Hall	2	July 30	1.07	30	2.14
"	N	Chelmsford, Roxwell	4	June 26	1.09	58	1.13
1890	N	Upminster Hall	2	Aug. 19	1.47	120	.73
1893	N	Maldon, Norton Hall	4	July 13	.94	30	1.80
1896	R	Upminster Hall	2	June 10	1.38	45	1.84
1897	R	Chelmsford, Spergula	4	" 24	1.14	15	4.56
"	R	" , High St.	4	" 24	1.37	20	4.11
"	N	Hatfield Peverell	4	" 24	.92	20	2.76
"	N	Fingringhoe, Ballast Gray Fm.	5	" 24	.68	20	2.04
"	N	Writtle, Melbourne	4	" 24	1.08	25	2.59
"	N	Danbury Rec.	4	" 24	.83	26	1.92
"	R	Writtle, Little Boyton	4	" 24	1.34	30	2.68
1899	N	Grays Sew. Wks	2	Sep. 29	1.39	120	.69
1902	R	Fingringhoe, Ballast Quay Fm.	5	June 16	1.53	60	1.53
"	VR	" " " "	5	Sep. 11	3.41	120	1.71
1904	N	Colchester, Lexeden	5	July 25	.57	6	5.70
"	R	" "	5	" 25	1.32	25	3.17
"	R	Fingringhoe, Ballast Quay Fm.	5	" 28	1.50	60	1.50
1905	N	Great Leighs, Lyons Hall	4	" 9	.98	30	1.36
"	N	" " " "	4	" 27	.95	30	1.90
"	R	Brentwood, Shenfield Rec.	4	" 9	1.73	45	2.31
1907	N	Colchester, Lexeden	5	" 10	1.30	95	.82
1909	N	Ingatestone, Furze Hall	4	Aug. 25	.54	10	3.24
1911	N	Epping, The Hemnalls	2	May 11	1.30	60	1.30
1912	R	Grays Sew. Wks	2	June 12	1.50	60	1.50
1913	N	Lawford, Dale Hall	6	" 27	.93	20	2.79
"	N	Dengie, Land Wick	3	May 27	1.16	45	1.55
1916	R	Rettenden Place	3	Apr. 27	1.37	30	2.74
"	N	Tilbury, Park View Obsy.	2	July 5	1.07	60	1.07
1917	R	Lexeden, Hill Ho.	5	May 29	1.86	120	.93
1918	N	High Ongar, Marden Ash	2	July 17	1.15	60	1.15
"	N	Bulvan, Pear Tree Corner	2	" 17	1.21	75	.97
* "	N	Tilbury, Park View Obsy.	2	" 17	1.50	90	1.00
1926	N	Manor Park, City of London Cem.	2	Aug. 31	1.50	105	.85
1930	R	Forest Gate, Monega Rd.	2	June 18	1.61	65	1.49
"	R	Manor Park, City of London Cem.	2	" 18	1.60	75	1.28
1932	N	Foulness, Court End.	3	July 20	.75	20	2.25
1933	R	Manor Park, City of London Cem.	2	June 24	1.50	25	3.60
1936	N	Theydon Bois, Vic.	2	July 7	.55	10	3.30
"	R	Rainham, Riverside Sew Wks	2	May 6	2.34	80	1.76
"	R	Corringham, Pembroke Ave.	2	June 21	1.87	120	.93
1937	N	Forest Gate, Monega Rd.	2	July 15	1.04	40	1.56
1938	N	Leigh, Brick Ho.	2	Aug. 12	.98	30	1.96
"	R	Corringham, Pembroke Ave.	2	" 6	1.57	57	1.65
"	VR	Lexeden, Hill Ho.	5	" 6	2.25	60	2.25
* 1918	N	Felsted School	4	July 17	1.33	120	.67

Year	Class	Station	Riv. Div.	Date	Amt. in.	D'r'n min.	Rate in/hr
Essex (continued)							
1939	N	Ilford, Valentine's Park	2	Aug. 21	.85	30	1.70
1941	VR	Writtle, Inst. of Ag.	4	July 26	3.90	120	1.95
1946	N	Sible Hedingham, Hovis Mill Fm.	5	" 26	1.10	50	1.32
"	N	Felsted School	4	" 26	1.00	60	1.00
1947	N	Layer de la Haye	5	June 27	.82	17	2.89
1948	R	East Ham Well	2	" 14	1.66	45	2.21
1949	N	Colchester, Hythe Gas Wks	5	July 16	1.50	75	1.20
1950	N	Tolleshunt D'Arcy, D'Arcy Hall	4	Aug. 7	1.14	50	1.37
1951	N	Ilford, Valentine's Park	2	" 6	1.23	120	.61
1953	VR	Langham W. Wks	6	June 25	2.10	35	3.60
1955	R	East Ham	2	July 11	1.40	50	1.68
1956	N	Foxearth	6	Aug. 5	.87	35	1.49
"	N	Great Bardfield, South Lo.	4	July 15	1.28	50	1.54
"	R	Hatfield Peverel, Whitelands	4	Aug. 30	2.00	90	1.33
1958	N	Nayland, Horksley Park	6	June 26	1.23	60	1.23
"	N	Nayland, Boxted	6	July 22	1.13	60	1.13
"	N	" "	6	" 29	1.06	75	.85
"	N	Bradwell-on-Sea, Bellropes	4	Aug. 22	1.44	60	1.44
"	N	Colchester W. Wks	5	" 22	1.10	90	.73
"	R	Rivenhall, Park Gate Fm.	4	Sep. 5	1.63	30	3.26
"	N	Thorpe Bay	3	" 5	1.03	60	1.03
"	N	Theydon Bois, Thrifts Hill	2	" 5	1.13	70	.97
"	N	Canvey Island	2	" 5	1.11	75	.89
"	R	Grays, Connaught Ave, Depot.	2	" 5	2.35	90	1.57
"	R	Hatfield Peverel	4	" 5	2.19	90	1.46
"	R	Witham, Faulkbourne	4	" 5	2.00	90	1.33
"	VR	Wickford, Dollymans Fm.	3	" 5	3.27	90	2.18
"	N	East Ham, Sew. Wks	2	" 5	1.71	115	.89
"	N	Orsett Hall	2	" 5	1.57	120	.79
"	N	Rayleigh, Alanbank	3	" 5	1.80	120	.90
"	N	Burnham Fisheries	3	" 5	1.55	120	.77
"	N	Potton Island	3	" 5	1.57	120	.79
"	VR	Tilbury, Grays Sew. Wks	2	" 5	3.17	120	1.58
"	R	Coryton	2	" 5	2.63	120	1.31
"	R	Chelmsford, Galleywood	4	" 5	2.98	120	1.49
"	N	Little Leighs, Kelle	4	" 5	1.22	120	.61
"	R	Shoeburyness	3	" 5	1.38	39	2.12
"	VR	Chelmsford, Sandford Mill W. Wks	4	" 5	2.73	58	2.82
"	R	Battlesbridge	3	" 5	2.33	120	1.17
"	R	Ilford, Valentine's Park	2	" 5	1.69	120	.85
"	N	Barking, Church St.	4	" 5	1.13	90	.75
"	R	Rainham, Riverside Lo.	2	" 5	2.38	90	1.58
1960	N	Theydon Bois, Thrifts Hill	2	June 23	1.30	90	.87
"	N	Shoeburyness	3	Sep. 19	1.00	60	1.00
Suffolk							
1879	R	Stowmarket, Wetherden Rec.	2	Aug. 3	1.77	105	1.01
1886	N	Ipswich, Belstead Hall	2	Oct. 8	1.80	120	.90
1888	R	Lavenham Hall	1	Sept.24	1.50	30	3.00
1891	N	Rendlesham Hall	3	Aug. 3	.90	30	1.80
1894	R	Alderton Rec.	3	" 10	2.00	120	1.00
1897	VR	Ipswich, Bishop's Hill	2	July 21	2.95	60	2.95
"	R	" , Belstead Hall	2	" 21	1.76	60	1.76
1902	N	Sudbury, Friar's St.	1	Aug. 6	1.00	40	1.50
"	R	Rendlesham Hall	3	July 19	1.50	60	1.50
"	N	Burgh Hall	4	Aug. 7	1.48	70	1.27
"	N	" , Castle Rectory	4	" 7	1.48	100	.89
"	VR	Ipswich, The Chantry	2	July 1	3.36	120	1.68
"	R	" , Clare Lodge	2	" 1	2.62	120	1.31

Year	Class	Station	Riv. Div.	Date	Amt. in.	D'r'n min.	Rate in/hr
Suffolk (continued)							
1904	N	Clare, Stansfield	1	June 26	1.11	30	2.22
1905	N	Hawkedon Rec.	1	Aug. 28	.73	25	1.75
"	N	Darsham, Sibton	3	June 27	.85	40	1.27
1912	N	Sudbury, Friar's St.	1	July 13	.98	25	2.35
"	R	" , Great Comard	1	" 13	1.40	30	2.80
"	VR	" , Comard Rd.	1	" 13	2.01	40	3.01
1913	R	Wangford, Raydon Grove	3	Aug. 9	2.60	120	1.30
1915	N	Hawkedon Vic.	1	" 12	1.37	40	2.05
"	N	Haverhill Vic.	1	" 12	.92	45	1.23
"	N	Helmingham, Bocking Hall	3	May 6	1.53	120	.77
1917	R	Haverhill Vic.	1	June 13	1.32	30	2.64
1918	N	Ipswich, Rockwood Copdock	2	" 17	.78	30	1.56
"	R	Hawkedon Rec.	1	July 17	2.00	60	2.00
1924	R	Ipswich, Dale Hall	2	May 19	1.93	120	.97
1929	N	Felixstowe Airfield	3	July 4	1.00	45	1.33
1932	R	Assington Hall	1	" 12	1.72	75	1.38
1933	N	Yaxley	4	Aug. 6	1.02	20	3.06
1934	N	Copdock	2	July 13	1.48	120	.74
1938	N	Haughley, Pine Lo.	2	Aug. 12	1.45	65	1.34
1943	N	Ipswich, Belstead Hall	2	Sept.13	.47	7	4.03
1944	N	" " "	2	Aug. 20	1.09	80	.82
1947	N	Melton, St. Audry's Hospital	3	" 6	1.25	90	.83
1953	N	East Bergholt, Flatford Mill	1	June 25	1.26	40	1.89
1954	N	Coddenham, Shrubland Park	2	Aug. 16	.92	45	1.23
1955	N	Sudbury W. Wks	1	" 13	1.50	120	.75
"	N	Ipswich Belstead Hall	2	" 14	.89	16	3.34
1956	N	Bures, Colchester Rd.	1	July 9	1.20	60	1.20
"	N	Campsea Ashe	3	" 9	1.01	60	1.01
1958	N	" "	3	Aug. 22	1.30	60	1.30
1959	R	Felixstowe	3	July 11	1.07	20	3.21
1960	N	Martlesham, Beacon Hill	3	Sept.19	1.00	30	2.00
"	N	Framlingham S. Wks	3	" 19	1.50	45	2.00
Norfolk							
1868	N	Hunstanton	3	Aug. 22	.93	20	2.79
1869	N	Geldeston	1	July 18	1.64	90	1.09
1870	R	Hunstanton,St. Edmunds	3	June 17	2.00	60	2.00
1872	N	Geldeston	1	July 13	1.46	109	.80
1874	N	Norwich Literary Institution	1	" 24	.96	30	1.92
"	N	Sprowston	1	" 24	.78	30	1.56
1875	N	"	1	" 21	1.40	120	.70
1877	N	Norwich Literary Institution	1	Aug. 15	.69	20	2.07
1878	N	Lynn, Hillington Rec.	3	May 18	1.23	120	.61
1881	R	Diss	1	" 27	1.75	70	1.50
1882	N	Lynn, Hillington Rec.	3	July 25	.80	20	2.40
1884	N	" " "	3	" 5	.90	20	2.70
"	R	Yarmouth, Dene Side	1	Aug. 12	1.73	90	1.15
1888	R	Long Stratton, Boyland Hall	1	July 30	1.83	55	2.00
"	VR	Aylsham, Woodgate	2	" 30	3.09	100	1.85
1889	N	Bylaugh Gardens	1	Aug. 10	1.02	60	1.02
1890	N	Diss	1	July 17	1.20	120	.60
1891	N	Lynn, Hillington Rec.	3	Aug. 4	.83	20	2.49
1893	N	North Walsham, Worstead	2	June 4	.89	25	2.14
"	VR	Fakenham, Cranner Hall	1	July 11	2.40	75	1.92
1894	N	Diss	1	" 6	1.15	30	2.30
1895	N	Salhouse	2	Aug. 13	1.50	120	.75
1904	R	Hillington	3	July 30	1.56	35	2.67
"	R	Heringham	2	" 25	2.00	120	1.00

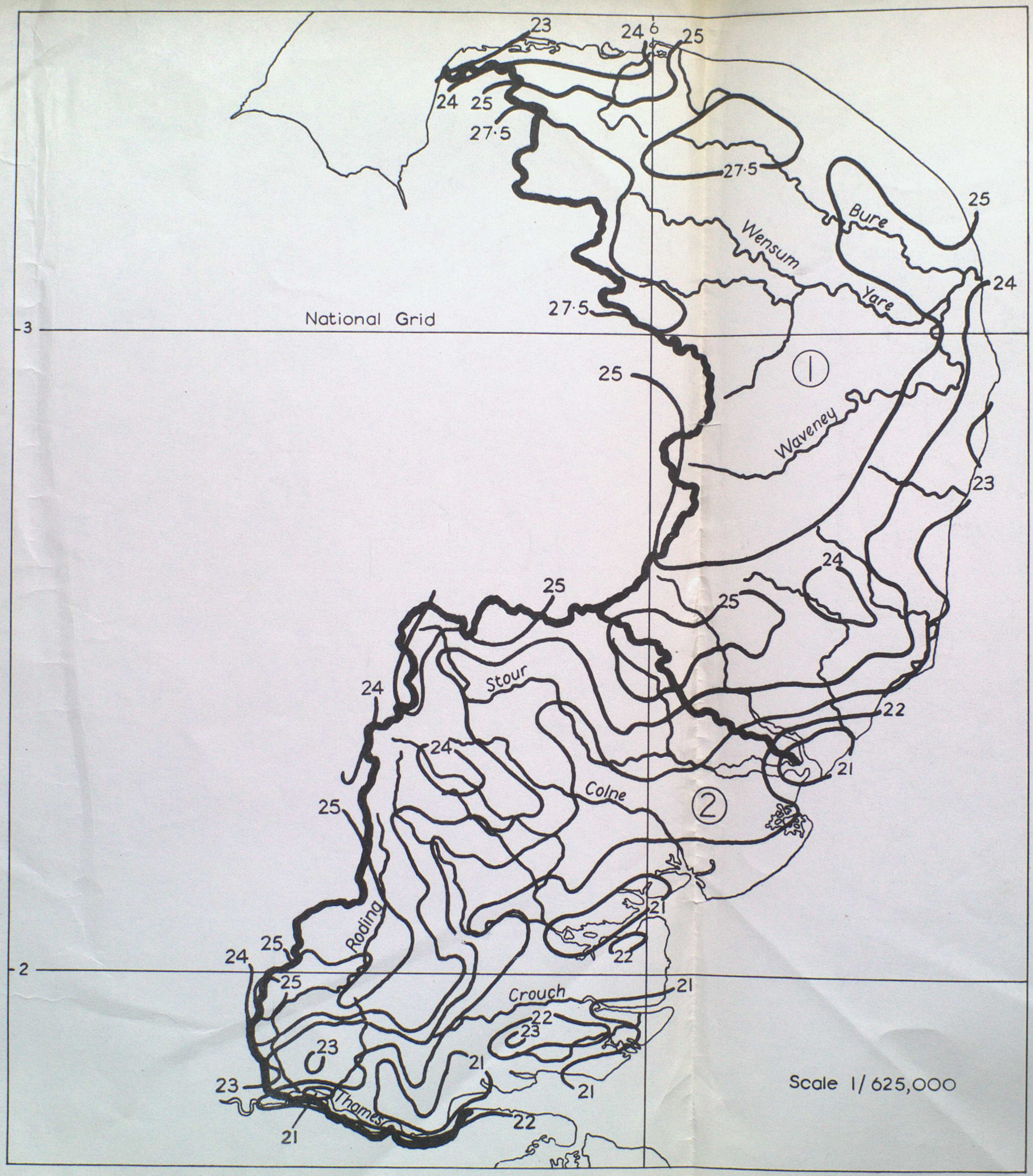
Year	Class	Station	Riv. Div.	Date	Amt. in.	D'r'n min.	Rate in/hr
Norfolk (continued)							
1906	R	Burnham Overy Straithe	3	Aug. 8	1.30	30	2.60
"	N	Reepham, Whitewell Vic.	1	July 27	1.13	45	1.51
"	N	" " "	1	" 27	1.25	60	1.25
"	N	Yarmouth, Market Place	1	Aug. 8	1.10	75	.88
1908	N	Reepham	1	July 13	1.00	60	1.00
1912	N	" , Old Brewery House	1	Oct. 28	1.30	45	1.73
"	N	Worstead, Westwich Gardens	2	Aug. 26	1.36	60	1.36
"	N	Norwich, Ipswich Rd.	1	" 26	1.15	60	1.15
"	N	" " "	1	" 26	1.10	60	1.10
"	R	Worstead, Westwich Gardens	2	" 26	1.96	90	1.31
"	R	Norwich, Ipswich Rd.	1	" 26	2.25	120	1.13
1913	N	Worstead, Lyngate Cottage	2	Oct. 3	.75	18	2.50
"	R	Norwich, Ipswich Rd.	1	" 3	1.25	30	2.50
"	R	Dilham	2	" 3	2.00	60	2.00
1914	R	East Rudham	1	June 20	2.10	120	1.05
1915	N	Sloley, Frankfort Manor	2	July 24	.80	30	1.60
"	N	" " "	2	Aug. 16	1.30	45	1.73
1916	R	Great Moulton Rec.	1	May 28	1.85	60	1.85
1917	N	Norwich, Ipswich Rd.	1	July 14	.47	2½	11.28
1921	N	Sheringham	3	May 26	1.00	60	1.00
1923	R	Overstrand	3	July 15	1.50	30	3.00
"	N	Beccles, Geldeston	1	" 15	1.30	45	1.73
1924	N	Great Moulton Rec.	1	Sep. 26	1.00	60	1.00
1926	N	Norwich, Eaton	1	June 17	.52	5	6.24
1930	R	Swanton Morley Rec.	1	" 18	2.11	50	2.53
1932	N	Hingham	1	May 30	1.05	27	2.33
1933	VR	Spooner Row, Wattleford Hall	1	June 24	2.05	45	2.73
1935	N	Yarmouth, Scratby	2	July 20	.75	25	1.80
"	N	Cromer, Howards Hill	3	Aug. 8	1.19	45	1.59
1941	N	Sheringham, Skelding	3	July 29	.85	25	2.04
1946	N	Norwich, Marlingford Hall	1	" 2	.64	5	7.68
"	N	Haynford, Grove Cottage	2	" 26	.95	20	2.85
1948	N	Cawston, New Street	1	Oct. 12	1.64	120	.82
"	N	West Raynham	1	Aug. 12	.96	40	1.44
1949	R	Thorpe Hamlet	1	July 16	2.49	120	1.25
"	R	Taverham	2	" 16	1.90	120	.95
1950	R	Sprowston	2	" 10	1.83	75	1.46
"	N	East Dereham, Laboratory	1	" 9	1.67	120	.83
"	N	Horsham St. Faith	2	" 10	.96	40	1.44
"	R	Norwich	1	" 10	1.46	55	1.59
1955	N	West Raynham Airfield	1	May 6	1.13	55	1.23
1956	N	Diss, Roydon Hall	1	July 9	1.09	60	1.09
1957	R	Holme-next-Sea, Holm House	3	Aug. 8	1.70	75	1,36
1958	N	East Dereham, Laboratory	1	June 2	.90	30	1.80
"	N	Edingthorpe, The Warren	2	July 1	1.59	180	.53
1959	N	Colkirk Hall	1	June 5	.96	30	1.92

Key N = Noteworthy
R = Remarkable
VR = Very Rare.

Essex	2	Roding & C.
	3	Crouch
	4	Blackwater
	5	Colne & c
	6	Stour.
Suffolk	1	Stour
	2	Orewell
	3	Debden & C
	4	Yare & C
Norfolk	1	Yare
	2	Bure & C
	3	Stiffkeys.

Fig 1. Average Monthly Rainfall as a percentage of Average Annual Rainfall (1916-1950)

Fig 1.



AVERAGE ANNUAL RAINFALL 1916–1950 (in inches), over the areas of the:

① Suffolk and Norfolk River Board

② Essex River Board

A.M.PRB.E.1G/15?/100/5/63/e.

Fig 2.